35.C14198 DIV. I PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
	:	Examiner: A. Ortiz
SHOGO KAWAMURA ET AL.	)	
	:	Group Art Unit: 1732
Application No.: NYA Division of S.N. 09/488,931 filed January 21, 2000	)	
Filed: Concurrently Herewith	)	
For: A METHOD FOR MANUFACTURING AN INK JET RECORDING HEAD, AN INK JET RECORDING HEAD MANUFACTURED BY SUCH METHOD OF MANUFACTURE, AND AN INK JET RECORDING APPARATUS HAVING SUCH INK JET RECORDING HEAD MOUNTED THEREON	)	November 9, 2001

Commissioner for Patents
BOX PATENT APPLICATION
Washington, D.C. 20231

PRELIMINARY AMENDMENT
AND
INFORMATION DISCLOSURE STATEMENT

Sir:

Prior to calculation of the filing fee, and prior to examination on the merits, please amend the above-identified application as follows:

IN THE SPECIFICATION

At page 1, immediately after the title, insert:

--This application is a division of Application No. 09/488,931, filed on January 21, 2000--.

IN THE CLAIMS:

Please cancel Claims 1-8, without prejudice or disclaimer of the subject matter presented therein. Please amend Claim 9 to read as follows (a marked-up version of this claim, showing the changes made thereto, is appended).

9. (Amended) An ink jet recording head provided with a recording elemental substrate having a discharge port group for discharging ink, an electric wiring substrate electrically connected with said recording elemental substrate, and a supporting member for holding and fixing said recording elemental substrate and said electrical wiring substrate, manufactured by a method comprising:

a step of injecting thermohardening filler into a filler retaining portion communicating with a sealing area requiring sealing;

a step of filling the sealing area with the thermohardening filler injected into the filler retaining portion by heating the filler to flow; and

a step of hardening the filled thermohardening filler.

REMARKS

The present application is a division of copending parent Application No. 09/488,931, filed on January 21, 2000. Claims 1-8 have been cancelled, without prejudice or disclaimer of the subject matter presented therein. Claims 9-23, which were canceled from the parent application following a restriction requirement, are presented for examination. Claim 9 has been rewritten in independent form. Claims 9 and 11 are in independent form.

An early and favorable examination on the merits is respectfully requested.

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. § 1.56, Applicant respectfully directs the Examiner's attention to the documents listed on the enclosed Form PTO-1449. The listed documents are of record in parent Application No. 09/488,931 and might be deemed pertinent for the reasons given there. The Examiner is respectfully directed to the files of the U.S. Patent and Trademark Office for review of those documents. (See 37 C.F.R. § 1.98(d) and MPEP § 609.)

U.S. applications 08/901,109 and 08/902,324, also cited during the prosecution of the parent application, have issued as U.S. Patent Nos. 6,257,703 and 6,241,340, respectively. Copies of those patents are also enclosed.

The Examiner is requested to indicate that the cited information has been considered by initialing the appropriate portions of the enclosed Form PTO-1449.

Applicants' undersigned attorney may be reached in our New York office by telephone at (212) 218-2100. All correspondence should continue to be directed to our below listed address.

Respectfully submitted,

Paul P. Diana

Attorney for Applicants

Registration No. 29,296

FITZPATRICK, CELLA, HARPER & SCINTO
30 Rockefeller Plaza
New York, New York 10112-3801
Facsimile: (212) 218-2200

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VERSION OF CLAIMS MARKED TO SHOW CHANGES

9. (Amended) An ink jet recording head provided with a recording elemental substrate having a discharge port group for discharging ink, an electric wiring substrate electrically connected with said recording elemental substrate, and a supporting member for holding and fixing said recording elemental substrate and said electrical wiring substrate, manufactured by a method comprising:

a step of injecting thermohardening filler into a filler retaining portion communicating with a sealing area requiring sealing;

a step of filling the sealing area with the thermohardening filler injected into the filler retaining portion by heating the filler to flow; and

a step of hardening the filled thermohardening filler.

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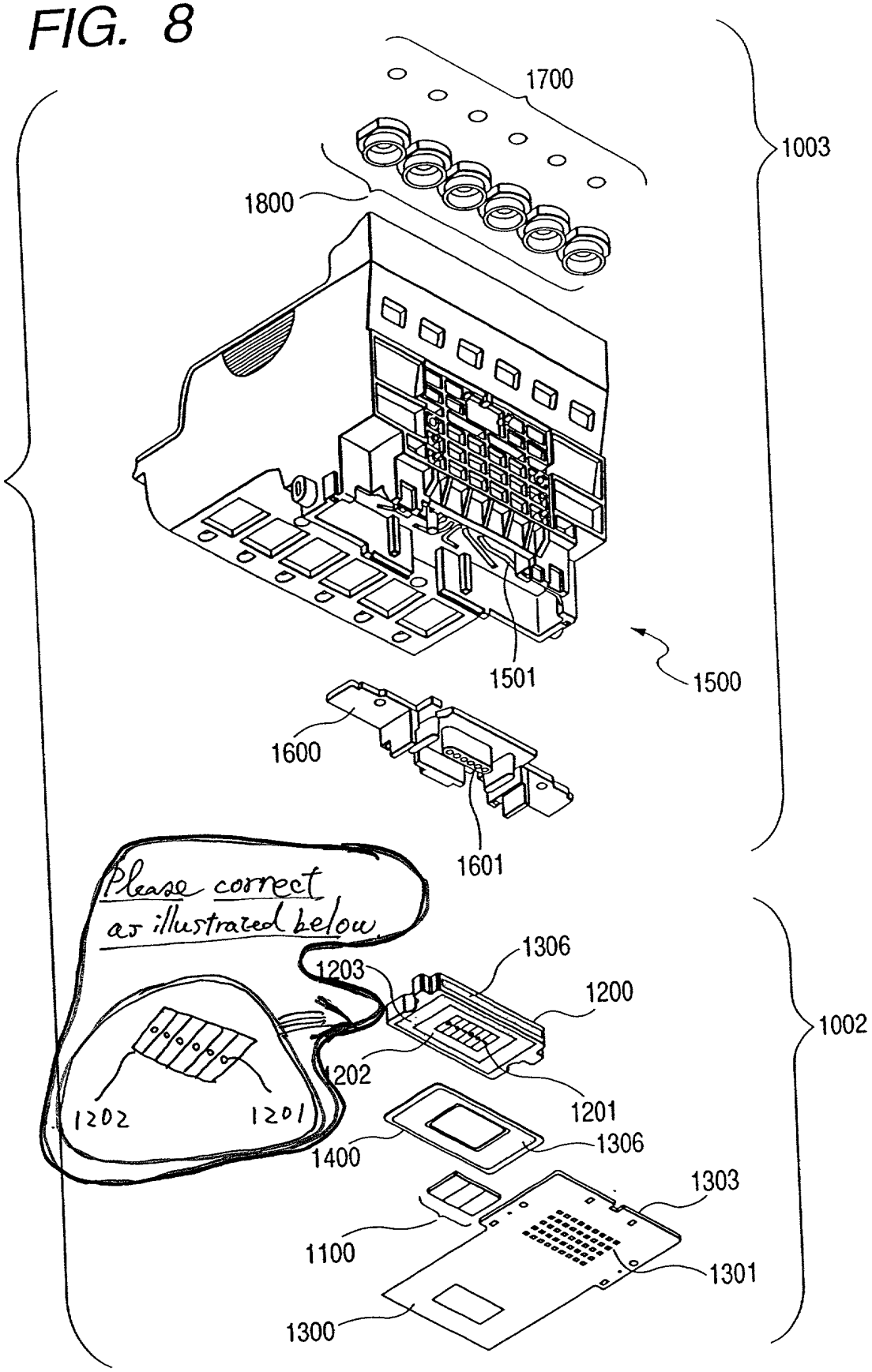
FIG. 8


1700
1003
1800
1501
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1600
1601
Please correct
as illustrated below
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1200
1002
1202
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1100
1301
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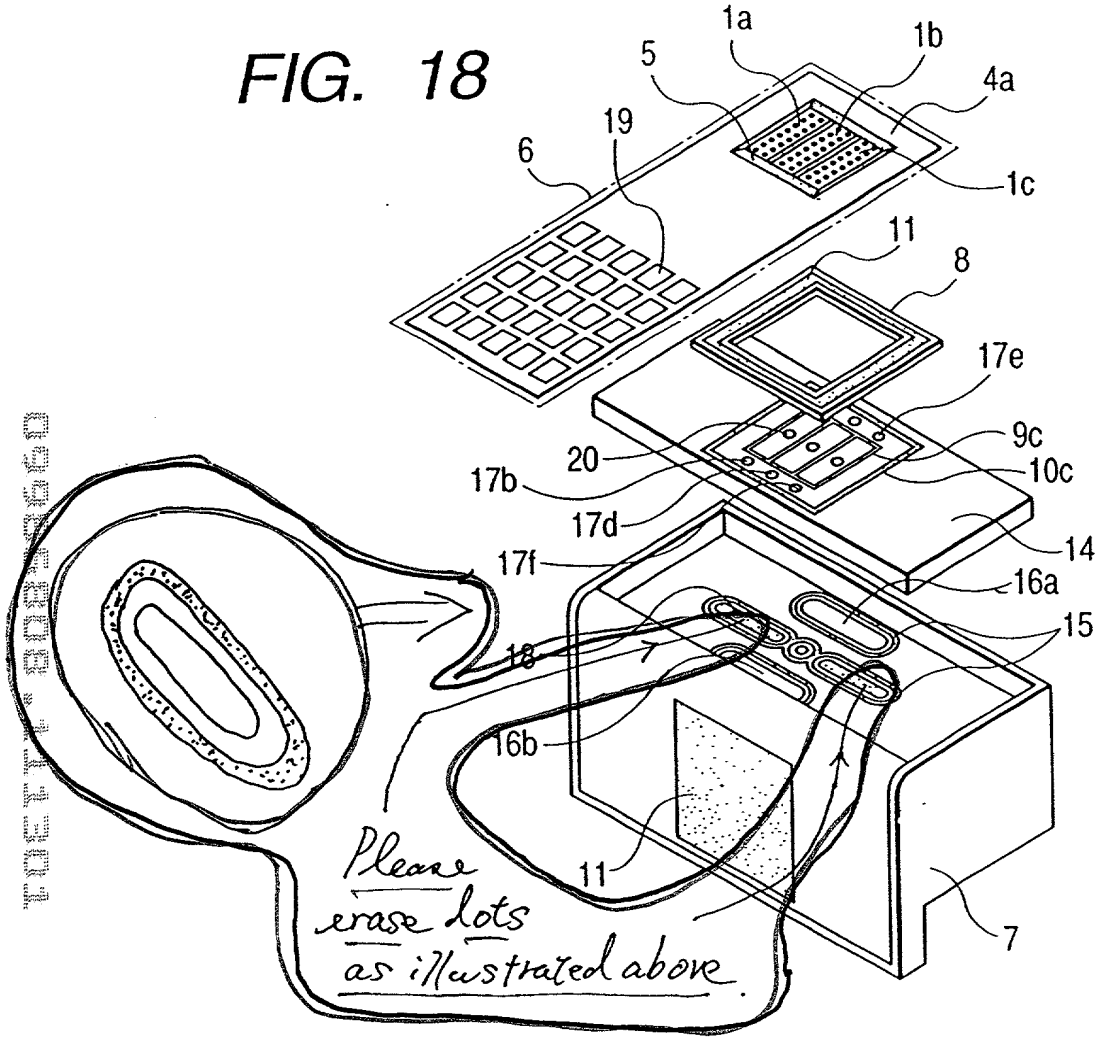
FIG. 18


1a
1b
5
4a
19
6
1c
11
8
17e
9c
20
10c
17b
17d
14
17f
16a
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18
16b
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7
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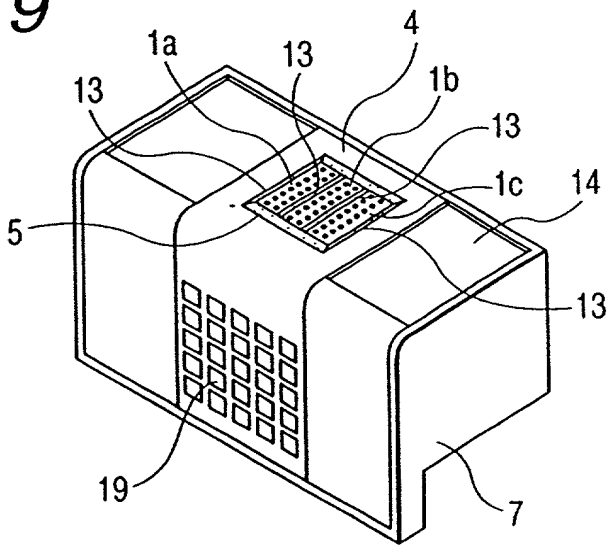
erase dots
as illustrated above

FIG. 19


1a
13
4
1b
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1c
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13
19
7